

FA NUMBER: 10553724 SITE ID: 6382

SITE NAME: EMERY

225 33RD STREET, SE **WASHINGTON, DC 20019**

TITLE SHEET

GENERAL NOTES

SITE PLAN

COMPOUND & EQUIPMENT LOCATION PLAN

SHEET INDEX

MONOPOLE ELEVATION

ANTENNA SCHEDULE

RF PLUMBING DIAGRAM

ANTENNA & RRU DETAILS

ANTENNA LOCATION PLAN AND SECTION

WIC AND GENERATOR PLAN

EQUIPMENT AND SITE DETAILS

GENERATOR DETAILS





PROJECT NO: 1152.440 DESIGNER: TMF ENGINEER: C.S. HESE DRAWINGS ARE FORMATTE TO BE FULL-SIZE AT 22"X34" GRAPHIC SCALE IN INCHES



1362 MELLON RD, STE 140 HANOVER, MD 21076 PHONE: (410) 582-8043

REVISION

FA NUMBER: 10553724 SITE #: 6382 **EMERY 225 33RD STREET, SE WASHINGTON. DC 20019**

SITE INFORMATION

. INSTALL 6 NEW + 6 FUTURE ANTENNAS ON NEW ANTENNA SUPPORT FRAME ON EXISTING MONOPOLE.

INSTALL 12 NEW RRH UNITS ON NEW ANTENNA SUPPORT FRAME.

3. INSTALL 3 DC9'S ON NEW ANTENNA SUPPORT FRAME. 4. INSTALL NEW EQUIPMENT WIC ON PRECAST CONCRETE PADS INSIDE FENCED COMPOUND. INSTALL GENERATOR ON NON-PENTRATING PLATFORM.

. INSTALL 2 DC12'S ON WIC WALL AT GRADE LEVEL.

7 RIIN NEW FIRER & DC POWER CARLES FROM DC12'S TO TOWER BASE IN LINDERGROUND CONDUITS

8. PROVIDE POWER AND TELCO SERVICE TO EQUIPMENT WIC FROM EXISTING DEMARCATION POINTS.

JURISDICTION: DISTRICT OF COLUMBIA

SOLIARE SUFFIX LOT-

PAR 02100012

PARCEL AREA 304.900 SF

PARCEL OWNER

ZONING:

PHILADELPHIA BALTIMORE WASHINGTON RAILROAD COMPANY

ADDRESS:

SE WASHINGTON DC 00000

6382

MONOPOLE STRUCTURE TYPE

GROUND ELEVATION

±17.0' AMSL AT BASE LATITUDE: N 38° 52' 56.413" (NAD83)

LONGITUDE W 76' 57' 52.139" (NAD83)

FA#: 10553724

APPLICANT:

PROJECT MANAGEMENT:

NOTE TO GENERAL CONTRACTOR
NO WORK IS TO BE PERFORMED ON THIS SITE WITHOUT REVIEW OF THE APPROVED STRUCTURAL ANALYSIS. IF ANY
DISCREPANCIES ARE FOUND THE GENERAL CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING. AT NO TIME WILL ANY
ADDITIONAL ANTENNAS BE INSTALLED WITHOUT WRITTEN CONSENT FROM TOWER ENGINEER.

PROJECT TEAM

AT&T MORILITY

HANOVER, MD 21076

ENTREX COMMUNICATION SERVICES, INC.

CAMILLE SHABSHAB (202) 408-0960

6100 EXECUTIVE BLVD, SUITE 350 ROCKVILLE MD 20852

SMARTLINK LLC 1362 MELLON RD, SUITE 140

HANOVER MD 21076

DEANWOOD RFK Stadium CAPITOL VIEW LINCOLN PARK BETTERMENT WEST OVE ANACOSTIA SCALE: 1" = 2.000

VICINITY MAP

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2017 DISTRICT OF COLUMBIA CONSTRUCTION CODE

- 2015 INTERNATIONAL BUILDING CODE

- 2017 DCMR 12C, DC ELECTRICAL CODE

- 2014 NATIONAL ELECTRICAL CODE

- 2017 DCMR 12H, DC FIRE CODE

- 2015 INTERNATIONAL FIRE CODE

- AMERICAN CONCRETE INSTITUTE

- AMERICAN INSTITUTE OF STEEL CONSTRUCTION - MANUAL OF STEEL CONSTRUCTION 13TH EDITION

- ANSI/TIA-222-G

- TIA 607

- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81 - IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION

- 2017 DCMR 12J, DC EXISTING BUILDING CODE - TELECORDIA GR-1275

- ANSI/T 311

APPROVAL BLOCK

OWNER REPRESENTATIVE	DATE	APPROVED	APPROVED REVISE & AS NOTED RESUBMIT
SITE AQUISITION	DATE		
CONSTRUCTION MANAGER	DATE		
ZONING	DATE		
		_	

SUBMITTALS DATE 05-11-2021 ZONING REVIEW

08-31-2021 01-11-2022 UPDATE SITE PLAN & SETBACKS

TITLE:

TITLE SHEET

Board of Zoning Adjustment

SHEET NUMBER:

CASE NO.20693 T_EXHIBIT NO.3



DCRA

entrex 6100 EXECUTIVE BLVD. STE 430 PHONE: (202) 408-0960



HANOVER, MD 21076



STRUCUTRAL NOTES

PIPE (HANDRAIL)

- 1. THE STRUCTURAL STEEL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ANCHOR BOLT LOCATIONS, ELEVATIONS OF TOP OF CONCRETE AND BEARING PLATES, ALIGNMENT ETC. PRIOR OF STEEL ERECTION.
- 2. THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS SHALL GOVERN A. AISC- "ALLOWABLE STRESS DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- B. AISC- "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" C. AWS- "D1.1 STRUCTURAL WELDING CODE-STEEL"
- 3. MATERIAL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

SCH 40 PIPE

STRUCTURAL WIDE FLANGE & M SHAPES OTHER STRUCTURAL SHAPES AND PLATES A36, F = 36KSISTRUCTURAL TUBING A500, GRADE B, FY = 46KSI HIGH STRENGTH BOLTS THREADED RODS A325 A354, GRANDE BC ANCHOR BOLTS A325 OR A354 BC

- 4. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER AISC REQUIREMENTS.
- 5. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED, ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IN NOT PERMITTED. ALL HOLES IN BEARING PLATES SHALL BE DRILLED.
- 6 ALL STEEL TO BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123
- 7. EPOXY ANCHORS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 8. ALL BOLTS SHALL BE TIGHTENED USING TURN-OF-THE-NUT METHOD PER AISC SPECIFICATIONS USING STANDARD HOLES.
- 9. THE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED BY FIELD MEASUREMENT. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH CONSTRUCTION
- 10. THE GENERAL CONTRACTOR AND HIS SUB CONSULTANTS SHALL BE RESPONSIBLE FOR OBTAINING ALL BUILDING AND OR TRADE PERMITS AND INSPECTIONS THAT MAY BE REQUIRED FOR THE WORK.
- 11. STRUCTURAL THREADED FASTENERS FOR STEEL ANTENNA MOUNTING ASSEMBLIES SHALL CONFORM TO ASTM A307 OR ASTM A36. STRUCTURAL FASTENERS FOR STRUCTURAL STEEL FRAMING SHALL CONFORM TO ASTM A325. STRUCTURAL FASTENERS SHALL BE 5/8" DIAMETER BEARING TYPE CONNECTIONS WITH THE THREADS EXCLUDED FROM THE SHEAR PLANE FOR ANGLES STRUCTURAL FASTENERS SHALL BE 3/4" DIAMETER BEARING TYPE CONNECTIONS WITH THE THREADS EXCLUDED FROM THE SHEAR PLANE FOR ALL OTHER STRUCTURAL SHAPES. ALL EXPOSED STRUCTURAL FASTENERS, NUTS AND WASHERS SHALL BE HOT DIP
- 12 EXPANSION ANCHORS INSTALLED IN CONCRETE SHALL BE HILTESTAINLESS STEEL ANCHORS AS SPECIFIED ON THE PLANS. THE EXPANSIONS ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS DIRECTIONS.
- 13 NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH CONTRACTOR SHALL SHALL VERIFY NORTH AND INFORM ARCHITECT/ENGINEER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
- 14. ROOF PROTECTION PADS UNDER THE CABLE BRIDGE SLEEPERS AND ROOF PAVERS SHALL BE 0.30" THICK RUBBER FIRESTONE PROTECTION PADS. THE ROOF PROTECTION PADS SHALL EXTEND A MINIMUM OF 2" BEYOND THE PERIMETER OF THE OF THE SLEEPERS, PROVIDE A 28 LB FELT SEPARATOR SHEET 2" LARGER THAN THE ROOF PROTECTION PAD DIRECTLY ON THE ROOF. REMOVE ALL LOOSE STONES PRIOR TO PLACING THE SEPARATOR SHEET. ROOF PROTECTION PADS SHALL NOT BE PLACED WITH IN 6" OF AN ADJACENT PAD OR OTHER ROOF OBSTRUCTION TO
- 15. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE BUILDING OWNER'S ROOF CONTRACTOR WHO WILL COMPLETE ALL WORK ASSOCIATED WITH THE ROOF THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE BUILDING OWNER'S ROOF CONTRACTOR BEFORE INSTALLATION OF ANY ROOF MOUNTED EQUIPMENT
- 16. ALL CAST IN PLACE CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND ACI 301, AND SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 psi (U.O.N). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL, UNLESS OTHERWISE NOTED. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE 3 INCHES UNLESS OTHERWISE NOTED
- 17. CONCRETE SHALL BE 4 TO 6% AIR ENTRAINED
- 18. ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 60, DEFORMED BILLET STEEL BARS. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- 19. FENCED AREA SHALL BE CLEARED AND GRUBBED, REMOVE UNSUITABLE LOOSE OR SOFT SOIL, ORGANIC MATERIAL OR RUBBLE, TO FIRM SUBGRADE. FILL UNDER CUT AND COMPACT UP TO 6" BELOW FINISH GRADE, PLACE A MIRAFI 500X SOIL STABILIZATION FABRIC ON SUBGRADE. FILL WITH 6" OF AASHTO 57 STONE TO FINISH
- 20. WHERE FILL IS REQUIRED, FILL IN LAYERS WHICH DO NOT EXCEED 8" BEFORE COMPACTION. SPREAD LAYER UNIFORMLY AND EVENLY. BLADE MIX EACH LAYER TO ENSURE MATERIAL UNIFORMITY FILL MATERIAL SHALL NOT CONTAIN MATERIAL MORE THAN 3" IN DIAMETER. COMPACT EACH LAYER NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 MODIFIED PROCTOR TEST OR (ASTM. D698 STANDARD PROCTOR TEST). USE FILL MATERIAL WITH MOISTURE CONTENT AS REQUIRED TO ATTAIN THE SPECIFIED DEGREE OF COMPACTION. COMPACT USING MULTIPLE WHEEL PNEUMATIC TIRE ROLLED, VIBRATORY ROLLER, OR SHEEPS FOOT

GENERAL NOTES

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES. LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR
- 3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY
- 5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT, ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS
- 6. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 7. CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTH WITH REENGINEERING PRIOR TO INSTALLATION.
- 8. TRANSMITTER EQUIPMENT AND ANTENNAS ARE DESIGNED TO MEET ANSI/EIA/TIA 222-G REQUIREMENTS.
- 9. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
- 10. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES
- 11. IF ANY UNDERGROUND UTILITIES OR STRUCTURES EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
- 12. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY 2 TIMES PER MONTH.
- 13 PROPERTY LINE INFORMATION WAS PREPARED LISING DEEDS. TAX MAPS. AND PLANS OF RECORD AND SHOULD NOT BE CONSTRUED AS AN ACCURATE BOUNDARY
- 14. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
- 15 THE PROPOSED FACILITY WILL CAUSE ONLY A "DE MINIMIS" INCREASE IN STORMWATER RUNOFF. THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
- 16. NO SIGNIFICANT NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS
- 17. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
- 18. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR
- 19. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER UNLESS OTHERWISE NOTED IN THIS DRAWING SET.
- ALL ANTENNA SCREENING SHALL BE FINISHED OR PAINTED TO MATCH THE STRUCTURE AS DIRECTED BY THE FACILITIES MANAGEMENT DIVISION.

GROUNDING NOTES

- 1. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- 2. ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
- 3. ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- 4. GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE POSTS SHALL BE EXOTHERMIC ("CADWELDS") UNLESS NOTES OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACE, SPRAY CADWELD WITH GALVANIZING
- 5. GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO HOLE BRASS MECHANICAL CONNECTORS WITH STAINLESS STEEL HARDWARE (INCLUDING SCREW SET) CLEAN GROUND BAR TO SHINY METAL, AFTER MECHANICAL CONNECTION. TREAT WITH PROTECTIVE ANTIOXIDANT COATING.
- 6. GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- 7. ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS
- TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
- 9. REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTION TO GROUND BARS SHALL BE MADE WITH
- 10. THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS POSITION ACCRUING TO GROUNDING PLAN. THE GROUND RODS SHALL BE 5/8"x8'-0" COPPER CLAD STEEL INTERCONNECTED WITH 2 BARE TINNED COPPER WIRE BURIED 30" BELOW GRADE, BURY GROUND RODS A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART TO ACHIEVE CONE OF PROTECTION.
- 11. IF ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO
- 12. EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH FRICO PRODUCTS BULLETIN A-AT.
- 13. CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PROVIDE PHOTOS TO THE AT&T CONSTRUCTION MANAGER.
- GROUND RING & CONNECTIONS TO IT SHALL BE 2 AWG SOLID BARE TINNED COPPER WIRE. FOUIPMENT GROUND CONNECTIONS TO MGB SHALL BE 2 AWG STRANDED TO WIRE.
- 15. PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR-SHIELD (TM OF JET LUBE INC.). PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR-SHIELD OR
- 16. ENGAGE AN INDEPENDENT ELECTRICAL TESTING FIRM TO TEST AND VERIFY THAT IMPEDANCE DOES NOT EXCEED FIVE OHMS TO GROUND BY MEANS OF "FALL OF POTENTIAL TEST". TEST SHALL BE WITNESSED BY A AT&T REPRESENTATIVE, AND RECORDED ON THE "GROUND RESISTANCE TEST" FORM.
- 17. WHERE BARE COPPER GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO GROUND RING, INSTALL WIRE IN 3/4" PVC SLEEVE, FROM 1' BELOW GRADE AND SEAL TOP WITH
- 18. PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTIONS, APPLY APPROPRIATE ANTI-OXIDIZATION
- 19. WHERE METALLIC ENCLOSURES AND OBJECTS ARE LOCATED WITHIN 6 FEET OF METAL FENCING. THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST.
- 20. TOWER BASE GROUND BAR REQUIRES (2) SOLID LEADS EXOTHERMICALLY WELDED TO THE GROUND
- 21. OUTDOOR SITES: MAIN GROUND BAR REQUIRES (2) SOLID LEADS EXOTHERMICALLY WELDED TO IT
- 22. INDOOR/ROOFTOP SITES: MAIN GROUND BAR SHALL BE BONDED TO BUILDING PRINCIPAL GROUND
- 23. ALL SOLID LEADS TERMINATED TO GROUND BARS SHALL BE PROTECTED WITH CARFLEX.
- 24. ALL SOLID GROUND LEADS NOT BEING USED SHALL BE COILED (PIGTAILS) FOR FUTURE USE AS
- 25. DO NOT ROUTE GROUNDING CONDUCTORS THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR. CLIPS AND FASTENERS USED TO SECURE ANY GROUND WIRE SHALL BE

ELECTRICAL ABBREVIATIONS

Α AMPERE

AIC ASYMMETRICAL INTERRUPT CURRENT

AWG AMERICAN WIRE GAUGE

CONDUIT

CSC CELL SITE CABINET

FSS FUSIBLE SAFETY SWITCH GFI GROUND FAULT INTERRUPTING

GROUND G

kVA KILOVOLT-AMPERE

KW KILOWATT

LFMC LIQUIDTIGHT FLEXIBLE METAL CONDUIT

LFNC LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT MCR MAIN CIRCUIT BREAKER

MLO MAIN LUGS ONLY

NEC NATIONAL ELECTRICAL CODE

NTS NOT TO SCALE

NFSS NON-FUSIBLE SAFETY SWITCH

PVC POLYVINYL CHLORIDE

POLF Р

PHASE

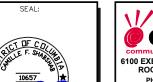
RMC RIGID METAL CONDUIT

VOLT WIRE

ELECTRICAL NOTES

- 1. SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- 2. CONTRACTOR SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- 3. VERIFY HEIGHT WITH PROJECT MANAGER PRIOR TO INSTALLATION.
- 4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
- 5. CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONALLY CIRCUMSTANCES SURROUNDING THE PROJECT.
- 6 CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS INSURANCE FOLIPMENT INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- 7. ALL MATERIAL AND EQUIPMENT SHALL BE NEW AND IN PERCENT CONDITION WHEN INSTALLED AND SHALL BE OF THE - BEST CRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR FACH CLASS. OR GROUP OF EQUIPMENT. ELECTRICAL MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION OVER THE CONSTRUCTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU. ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED FOR THEIR INTENDED USE AND LOCATION.
- 8. ALL WORK SHALL COMPLY WITH ALL APPLICABLE GOVERNING STATE, COUNTY AND CITY CODES AND OSHA, NFPA, NEC & ASHRAE REQUIREMENTS.
- 9. ENTIRE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE. ALL WORK, MATERIAL AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE
- 10. PROPERLY SEAL ALL PENETRATIONS, PROVIDE UL LISTED FIRE-STOPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-RATED ASSEMBLIES. WATER-TIGHT USING SILICONE SEALANT.
- 11. LOCATE ALL PENETRATIONS SUCH THAT ALL REINFORCEMENT CONTAINED WITHIN THE EXISTING BUILDING CONSTRUCTION REMAINS INTACT AND UNDISTURBED. SUBMIT LOCATING METHOD TO PROJECT MANAGER FOR APPROVAL PRIOR TO EXECUTION.
- 12. DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION. PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT. AFFIX MAINTENANCE LABELS TO MECHANICAL EQUIPMENT.
- 13. ALL CONDUCTORS SHALL BE COPPER, MINIMUM CONDUCTOR SIZE SHALL BE 12 AWG., UNLESS OTHERWISE NOTED, CONDUCTORS SHALL BE TYPE THHW, RATED IN ACCORDANCE WITH NEC 110-14(C)
- 14 ALL CIRCUIT BREAKERS FUSES AND FLECTRICAL FOLIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM INTERRUPTING CURRENT TO WHICH THEY MAY BE SUBJECTED.
- 15. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE: ARTICLES 250 & 810 AND THE UTILITY COMPANY STANDARDS
- 16. CONDUIT: ALL ABOVE GRADE CONDUITS SHALL BE RIGID & LFMC TO 6' AS STATED BELOW
- A. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS IN CONTACT WITH THE EARTH UNDER PUBLIC ROADWAYS IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP
- B. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR
- C. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FINAL CONNECTIONS TO MECHANICAL FOUIPMENT & RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF SIX FEET I LENGTH SHALL CONTAIN A FULL-SIZE GROUND CONDUCTOR.
- D. CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS. UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING, OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING
- E. PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS, PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE. PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT
- F. THE TOTAL RADII OF BENDS IN A CONDUIT SHALL NOT EXCEED 360°.
- 17. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PHENOLIC PLASTIC NAMEPLATES. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SCHEME.
- 18. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL SUBMIT TEST REPORTS TO AT&T PROJECT MANAGER. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE AT&T PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
- 19. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNED RECEIPT UPON DELIVERY
- 20. COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS SHALL BE PAID BY THE CONTRACTOR
- 21. VERIFY ALL EXISTING CIRCUITRY PRIOR TO REMOVAL AND NEW WORK, MAINTAIN POWER TO ALL OTHER AREAS AND CIRCUITS NOT SCHEDULED FOR REMOVAL
- 22. RED LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE AT&T CONSTRUCTION MANAGER.

DCRA



THE ENGINEERING DESIGNS INCLUDED IN THIS APPLICATION ARE IN COMPLIANCE WITH ALL RELEVANT LAWS AND REGULATIONS OF THE DISTRICT OF COLUMBIA. I HAVE PERSONALLY PREPARED, OR DIRECTLY SUPERVISED THE REPARATION OF, THE ENGINEERING DESIGN INCLUDED IN THIS APPLICATION





PROJECT NO: 1152,440 DESIGNER: TME HESE DRAWINGS ARE FORMATTE TO BE FULL-SIZE AT 22"X34 GRAPHIC SCALE IN INCHES



1362 MELLON RD. STE 140

HANOVER, MD 21076

PHONE: (410) 582-8043 FAX: (410) 221-2962

FA NUMBER: 10553724 SITE #: 6382 **EMERY 225 33RD STREET. SE WASHINGTON. DC 20019**

	SUBMITTALS	
DATE	DESCRIPTION	REVISION
05-11-2021	ZONING REVIEW	Α
08-31-2021	ZONING	0
01-11-2022	UPDATE SITE PLAN & SETBACKS	1

TITLE:

GENERAL NOTES

SHEET NUMBER

N-1



SITE NOTES:

JURISDICTION: DISTRICT OF COLUMBIA
SQUARE SUFFIX LOT: PAR 02100012

PARCEL AREA: 304,900 SF

PARCEL OWNER: PHILADELPHIA BALTIMORE WASHINGTON

RAILROAD COMPANY
ADDRESS: SE WASHINGTON DC 00000

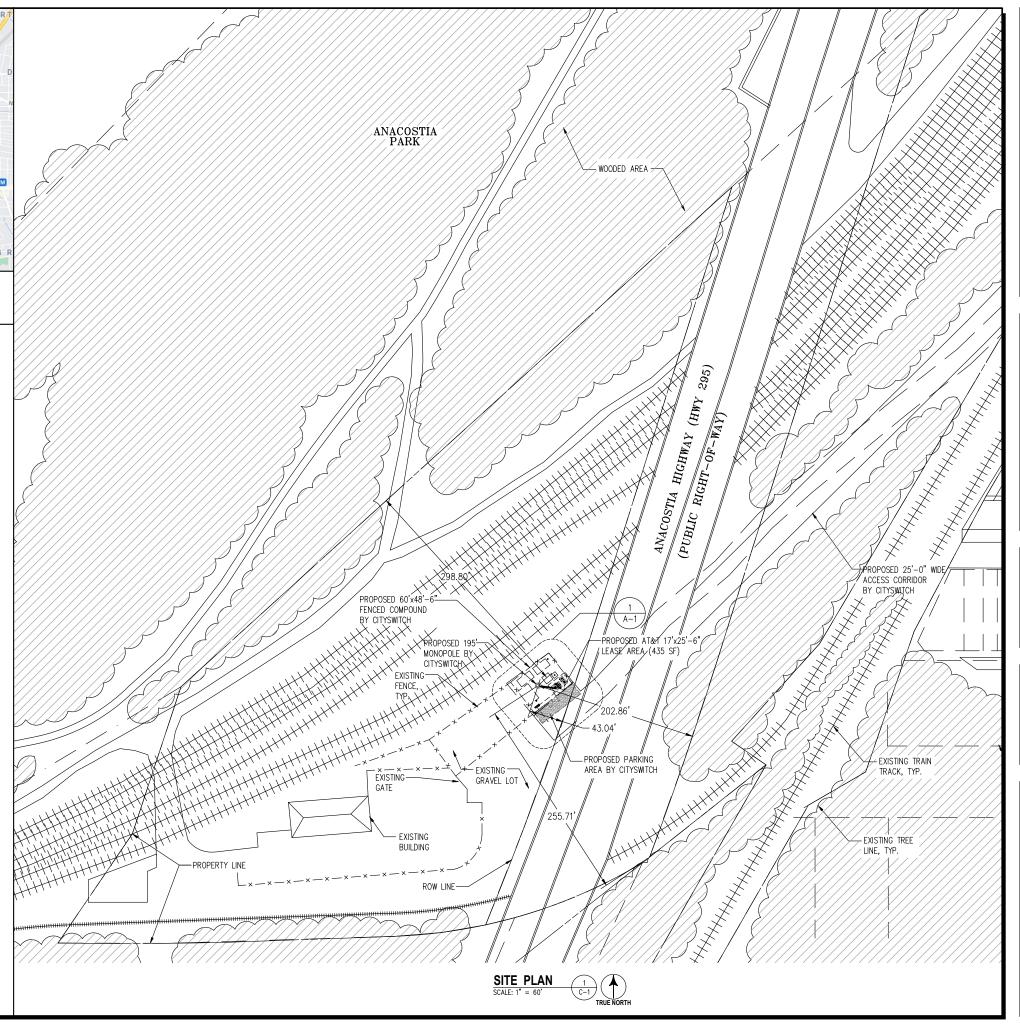
STRUCTURE TYPE: MONOPOLE

GROUND ELEVATION: ±17.0' AMSL AT BASE

LATITUDE: N 38' 52' 56.413" (NAD83)

LONGITUDE: W 76' 57' 52.139" (NAD83)

FA#: 10553724 SITE ID: 6382

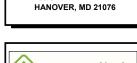


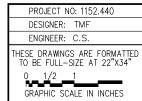






at&t







PHONE: (410) 582-8043 FAX: (410) 221-2962

: 10553724 6382

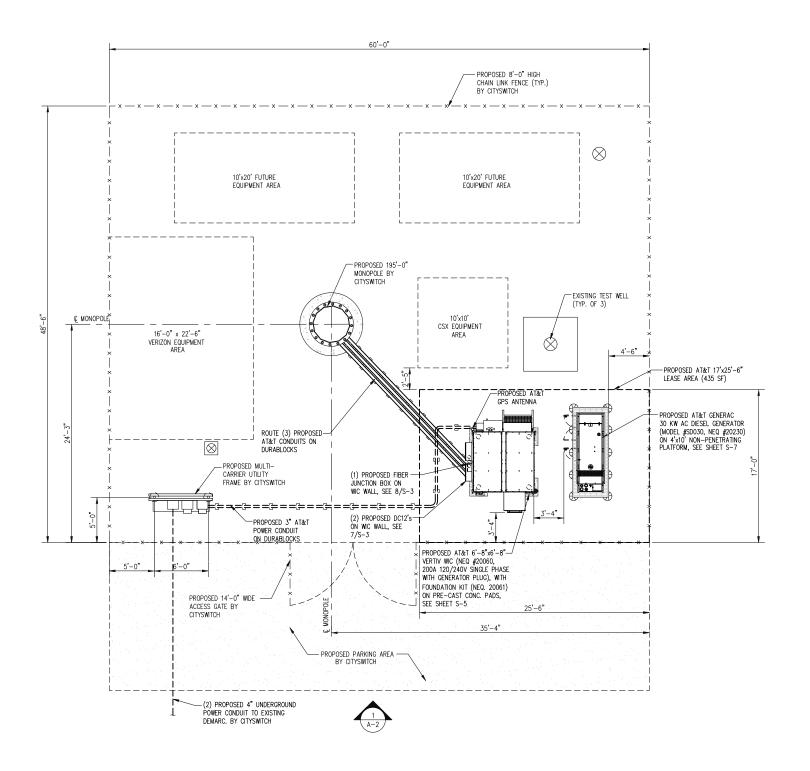
FA NUMBER: 10553724 SITE #: 6382 EMERY 225 33RD STREET, SE WASHINGTON, DC 20019

SUBMITTALS				
DATE	DESCRIPTION	REVISION		
05-11-2021	ZONING REVIEW	A		
08-31-2021	ZONING	0		
01-11-2022	UPDATE SITE PLAN & SETBACKS	1		
TITLE:				

SITE PLAN

SHEET NUMBER:

C-1

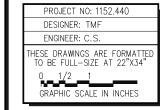


COMPOUND & EQUIPMENT LOCATION PLAN
SCALE: 3/16" = 1' 0"









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FA NUMBER: 10553724 SITE #: 6382 EMERY

SITE #: 6382 EMERY 225 33RD STREET, SE WASHINGTON, DC 20019

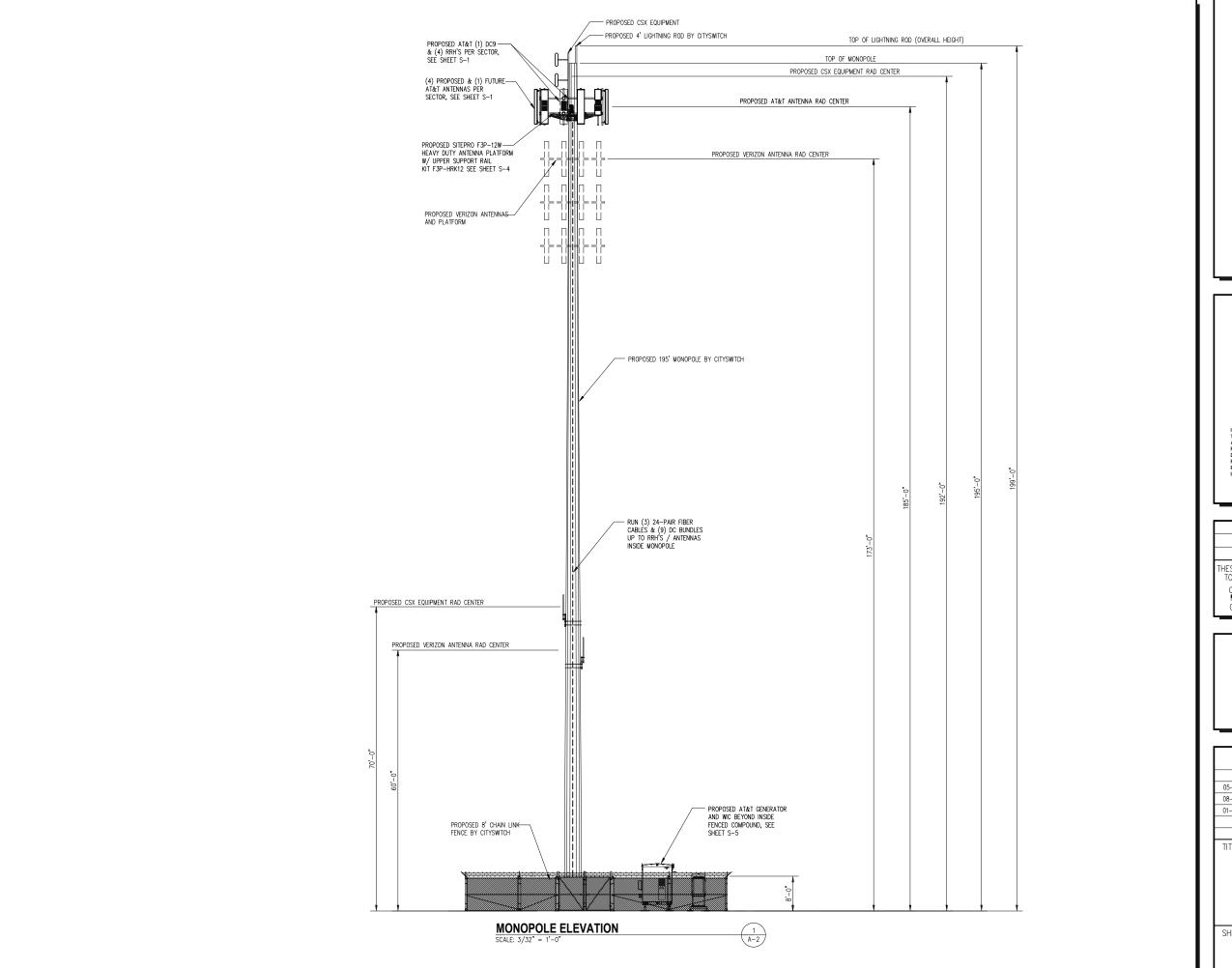
	SUBMITTALS	
DATE	DESCRIPTION	REVISION
05-11-2021	ZONING REVIEW	A
08-31-2021	ZONING	0
01-11-2022	UPDATE SITE PLAN & SETBACKS	1

TITLE:

COMPOUND AND EQUIPMENT LOCATION PLAN

SHEET NUMBER:

A-1

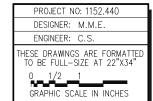


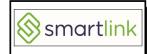
DCRA



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1362 MELLON RD, STE 140 HANOVER, MD 21076 PHONE: (410) 582-8043 FAX: (410) 221-2962

FA NUMBER: 10553724 SITE #: 6382 **EMERY** 225 33RD STREET, SE **WASHINGTON, DC 20019**

	SUBMITTALS	
DATE	DESCRIPTION	REVISION
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08-31-2021	ZONING	0
01-11-2022	UPDATE SITE PLAN & SETBACKS	1
TITLE.		

TITLE:

MONOPOLE ELEVATION

SHEET NUMBER:

A-2

CABLE SCHEDULE AND RF SYSTEM DESIGN PLAN

050700	ANTENNA	ANTENNA	ANTENNA	TECHNOLOGY/			RAD CTR.		ELECTRICAL	MECHANICAL	RRH/TMA QUANTITY		TRANSMIS	SSION CABLE	
SECTOR	POSITION	NUMBER	STATUS	FREQUENCY	MAKE	MODEL	FT. AGL	AZIMUTH	DOWNTILT	DOWNTILT	AND MODEL	LENGTH	STATUS	QUANTITY	TYPE
			PROPOSED	5G CBAND	NOKIA	AEQK	187'-9"	30°	0,	0,	-	±230'	-	-	
	1	A-1	I I KOI OSEB	5G DoD	NOKIA	AEQU	184'-4"	30°	0.	0,	-	±230'	-	-	-
				LTE 700		11232			2.					+	
				LTE 1900					2.5*	1	(1) NOKIA TRIBAND RRH 4T4R				
				LTE 700					2.	1	B12/14/29 370W AHLBBA				
AL DUA				LTE AWS					2.5*	†					
ALPHA	2	A-2	PROPOSED	LTE AWS	COMMSCOPE	NNHH-65C-R4	185'-0"	30*	2.5*	0,		±230'	PROPOSED	6	FIBER
				LTE 700					2.	1	(1) AIRSCALE DUAL RRH				
				5G 1900					2.5°	†	4T4R B25/66 320W AHFIB				
				5G AWS					2.5	†	·				
	3	A-3	FUTURE	-	-	FUTURE	-	-	2.0	_	FUTURE	-	-	-	-
				5G 850				704	2*		(1) AIRSCALE RRH 4T4R B5 160W AHCA				
	4	A-4	PROPOSED	LTE WCS	COMMSCOPE	NNHH-65C-R4	185'-0"	30°	2*	0,	(1) AIRSCALE RRH 4T4R B30 100W AHNA	±230'	PROPOSED	2	FIBER
	-	B-1	PROPOSED	5G CBAND	NOKIA	AEQK	187'-9"	150°	0,	0.	-	±230'	-	-	-
	5	0-1	I INOI OSED	5G DoD	NOKIA	AEQU	184'-4"	150°	0.	0,	-	±230'	_	_	-
				LTE 700		nego			2.				PROPOSED 6		
				LTE 1900					2.5*	1	(1) NOKIA TRIBAND RRH 4T4R				
				LTE 700					2.	1	B12/14/29 370W AHLBBA				
				LTE AWS				4504	2.5*	1				6	5:050
BETA	6	B-2	PROPOSED	LTE AWS	COMMSCOPE	NNHH-65C-R4	185'-0"	150°	2.5*	0,					FIBER
				LTE 700					2.	1	(1) AIRSCALE DUAL RRH				
				5G 1900					2.5*	1	4T4R B25/66 320W AHFIB				
				5G AWS					2.5°						
	7	B-3	FUTURE	-	-	FUTURE	-	-		-	FUTURE	-	-	-	-
	0	B-4	PROPOSED	5G 850	COMMSCOPE	NNHH-65C-R4	195' 0"	185'-0" 150° 2 0° B5 160W AHCA	(1) AIRSCALE RRH 4T4R B5 160W AHCA	±230'	PROPOSED	2	FIBER		
	8		I INOI USED	LTE WCS	COMMISCOLE	MMIII 030 K4	103 -0	100	2.] "	(1) AIRSCALE RRH 4T4R	1230	T IKOT OSED	2	TIBLIX
				5G CBAND	NOKIA	AFOV.					B30 100W AHNA				
	9	C-1	PROPOSED	DG CBAND	NUKIA	AEQK	187'-9"	270*	0,	0,	-	±230'	-	-	_
				5G DoD	NOKIA	AEQU	184'-4"	270°	0,	0,	-	±230'	-	-	-
				LTE 700					2'						
				LTE 1900					2.5*	1	(1) NOKIA TRIBAND RRH 4T4R				
				LTE 700					2.	1	B12/14/29 370W AHLBBA				
	10	C-2	PROPOSED	LTE AWS	COMMSCOPE	NNHH-65C-R4	185'-0"	270°	2.5*	0.		±230' PROPOSED	6	FIBER	
GAMMA				LTE AWS					2.5*	1					
				LTE 700					2*	1	(1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB				
				5G 1900					2.5*	1	414K 023/00 320W ANTID				
				5G AWS					2.5*						
	11	C-3	FUTURE	-	-	FUTURE	-	-		-	FUTURE	-	-	-	-
				5G 850					2*		(1) AIRSCALE RRH 4T4R B5 160W AHCA				
	12	C-4	PROPOSED	LTE WCS	COMMSCOPE	NNHH-65C-R4	185'-0"	270*	2*	0,	(1) AIRSCALE RRH 4T4R B30 100W AHNA	±230'	PROPOSED	2	FIBER
GPS			•				1		•	•		15'	PROPOSED		1/2" COAX
F				1			1						OOLD		., = 00/1/1

TOTAL # OF ANTENNAS: 12 # OF FUTURE ANTENNAS: 3

NOKIA TRIBAND RRH 4T4R B12/14/29 370W AHLBA, (1 PER SECTOR) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB, (1 PER SECTOR) AIRSCALE RRH 4T4R B5 160W AHCA, (1 PER SECTOR) AIRSCALE RRH 4T4R B30 100W AHNA, (1 PER SECTOR)

NEW EQUIPMENT: YES

EQUIPMENT ON A 10'-0" x 16'-0" CONCRETE PAD

- 1. SUBCONTRACTOR SHALL COORDINATE COLOR CODING WITH THE MASTER COLOR CODE DOCUMENT.
- 2. INSTALL SURGE ARRESTORS ON NEW MAIN COAXIAL CABLES. GROUND TO NEAREST GROUND BAR.
- 3. SUB CONTRACTOR SHALL INSTALL A BRASS IDENTIFICATION TAG (1 1/2" IN DIAMETER WITH 1/4" STAMPED LETTERS AND NUMBERS. ONE AT THE ANTENNA PORT CONNECTION NEAR THE END OF THE JUMPER AND ONE ON EACH END OF THE JUMPER SERVING THE RADIO EQUIPMENT. EACH TAG WILL BE STAMPED WITH "ATT" AND THE ANTENNA PORT IDENTIFICATION NUMBER. TAGS SHALL BE ATTACHED WITH CORROSION PROOF UV RESISTANT WIRE OR CABLE-TY.

RF DESIGN NOTE:
This Antenna and Coax Cable schedule has been created using the RFDS dated 01—21—2021 Revision V2021_1.0. All antenna design, zoning, structural analysis, permits and compliance submissions are coordinated with the fore mentioned document.





at&t 7150 STANDARD DRIVE HANOVER, MD 21076

PROJECT NO: 1152.440 THESE DRAWINGS ARE FORMATTED TO BE FULL—SIZE AT 22"X34" GRAPHIC SCALE IN INCHES

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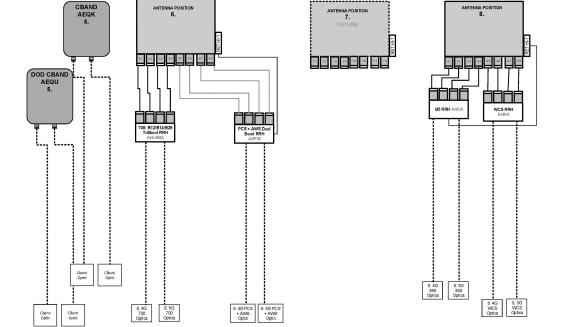
FA NUMBER: 10553724 SITE #: 6382 **EMERY** 225 33RD STREET, SE **WASHINGTON, DC 20019**

	SUBMITTALS	
DATE	DESCRIPTION	REVISION
05-11-2021	ZONING REVIEW	A
08-31-2021	ZONING	0
01-11-2022	UPDATE SITE PLAN & SETBACKS	1

TITLE:

ANTENNA SCHEDULE

SHEET NUMBER:



SECTOR B

7CC_P1AASCB_P2OLFN7EPA1A3_P3prep_P4OCW_F0_NoDC_B

egram - Sector C Diagram File Name - 7CC_P1AASCB_P20LFN7EPA1A3_P3preg_P40CW_F8_NeDC_C-visd
off Ste Name EMERY Location Name EMERY Market WASHINGTON DC-8ALTIMORE Market Cluster - WASHINGTON D.C./MARYLAN

7CC_P1AASCB_P2OLFN7EPA1A3_P3prep_P4OCW_F0_NoDC_A

PCS + AWS Dual Band RRH AHFIB

SECTOR A

31 32 33 34 35 38 37 38

41 42 43 44 45 48 47 48

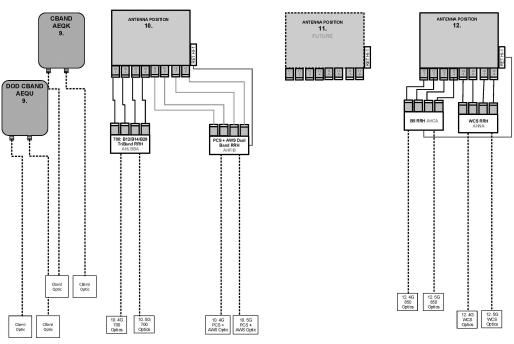
WCS RRH AHNA

CBAND AEQK 1.

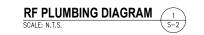
Chand Optic

Chand CBand Optic Optic 21 22 23 24 25 28 27 28

7CC_P1AASCB_P2OLFN7EPA1A3_P3prep_P4OCW_F0_NoDC_C

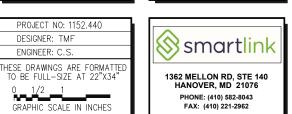


BASED ON RF ENGINEERING DESIGN ENTITLED "WASHINGTON-D.C.-MARYLAND_WASHINGTON-DC-BALTIMORE_EMERY_2022-New-Site_LTE_gb943a_2251A0VT33_10553724_299290_01-21-2021_As-Built-In-Progress_v1.00 (2)"



SECTOR C





7150 STANDARD DRIVE HANOVER, MD 21076

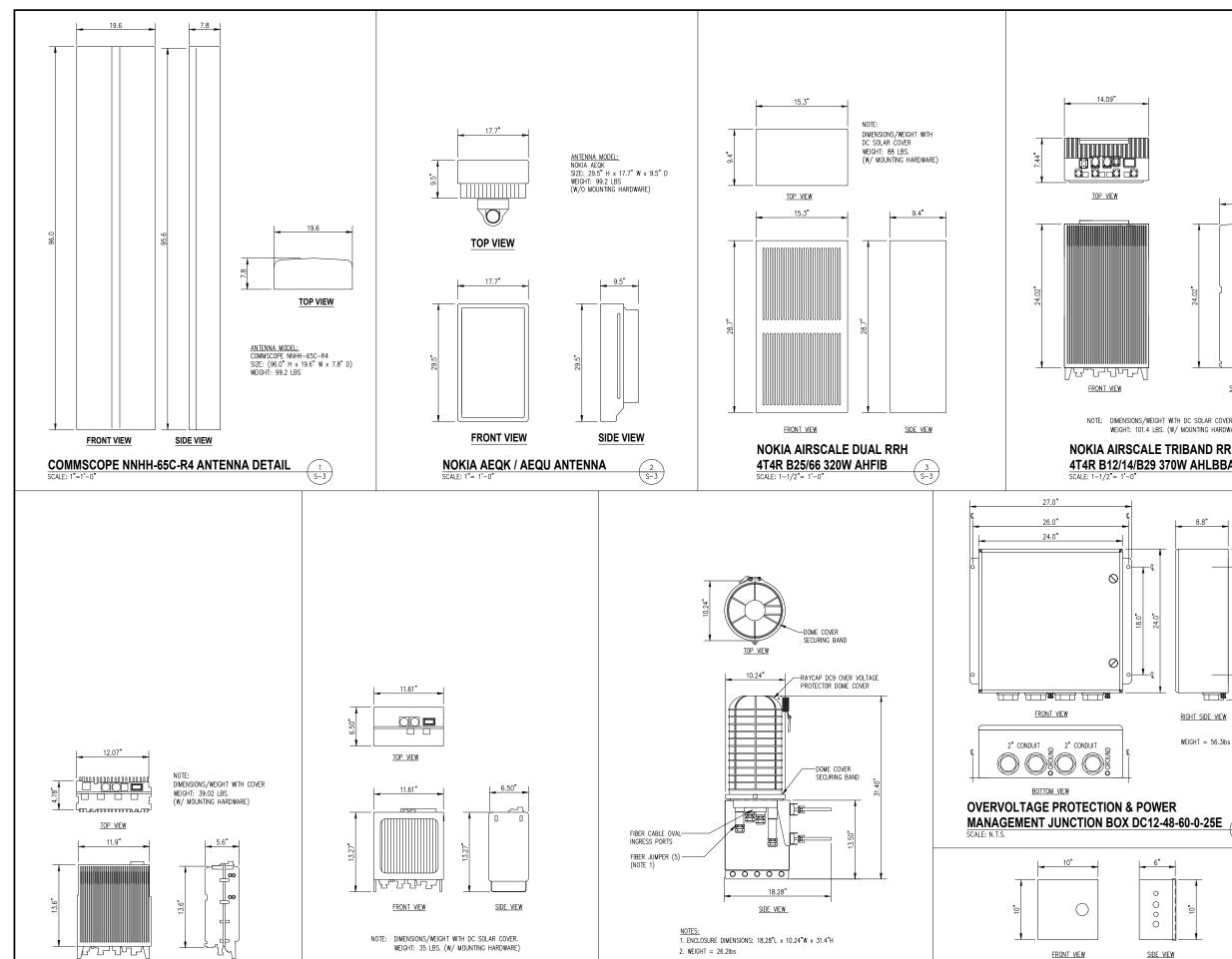
FA NUMBER: 10553724 SITE #: 6382 EMERY 225 33RD STREET, SE WASHINGTON, DC 20019

	SUBMITTALS	
DATE	DESCRIPTION	REVISION
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08-31-2021	ZONING	0
01-11-2022	UPDATE SITE PLAN & SETBACKS	1
TITLE:		

TITLE:

RF PLUMBING DIAGRAM

SHEET NUMBER:



RAYCAP DC9-48-60-24-8C-EV

DC POWER OVER VOLTAGE PROTECTOR (OVP)

FRONT VIEW

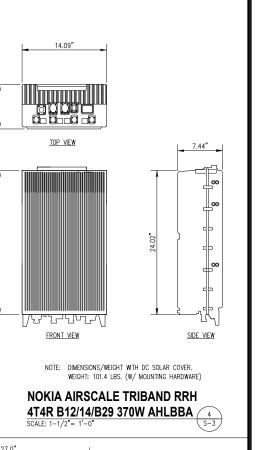
AIRSCALE RRH 4T4R B30 100W AHNA

SIDE VIEW

NOKIA AIRSCALE RRH

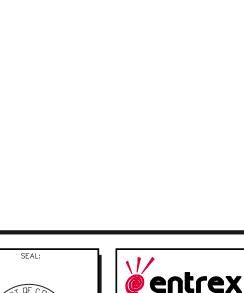
6 S-3

4T4R B5 160W AHCA

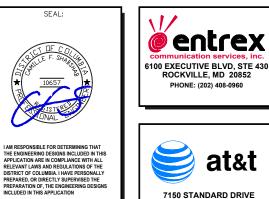


DISTRIBUTION BOX

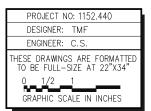
HOFFMAN AHE10X10X6



DCRA









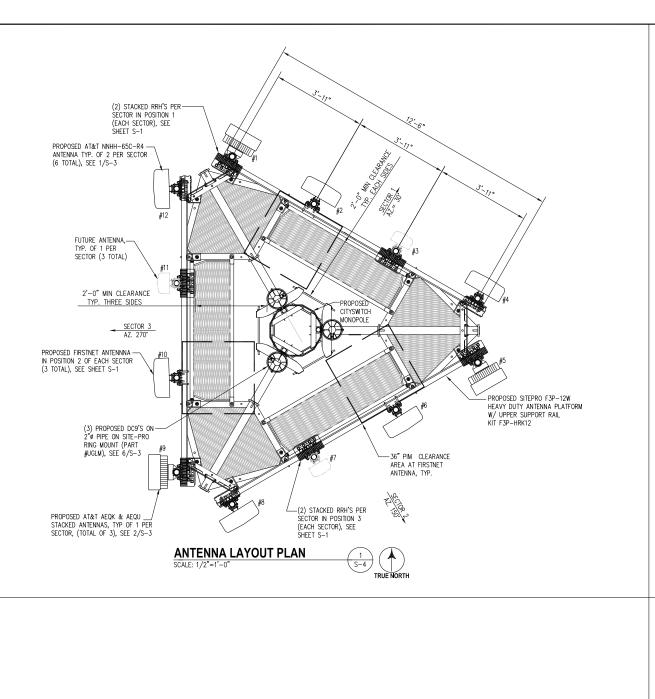
PHONE: (410) 582-8043 FAX: (410) 221-2962

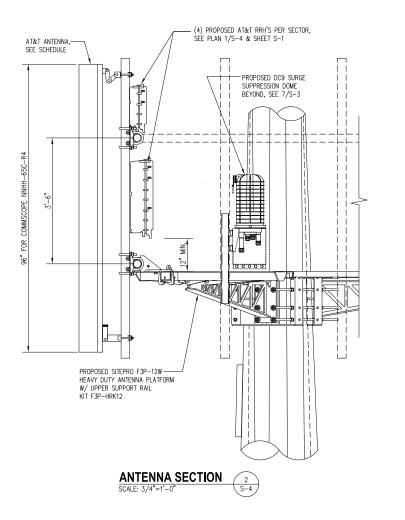
FA NUMBER: 10553724 SITE #: 6382 **EMERY** 225 33RD STREET, SE **WASHINGTON, DC 20019**

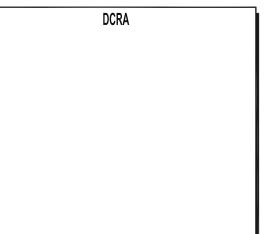
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05-11-2021	ZONING REVIEW	A
08-31-2021	ZONING	0
01-11-2022	UPDATE SITE PLAN & SETBACKS	1
TITLE:		

ANTENNAS & RRU DETAILS

SHEET NUMBER:



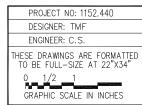














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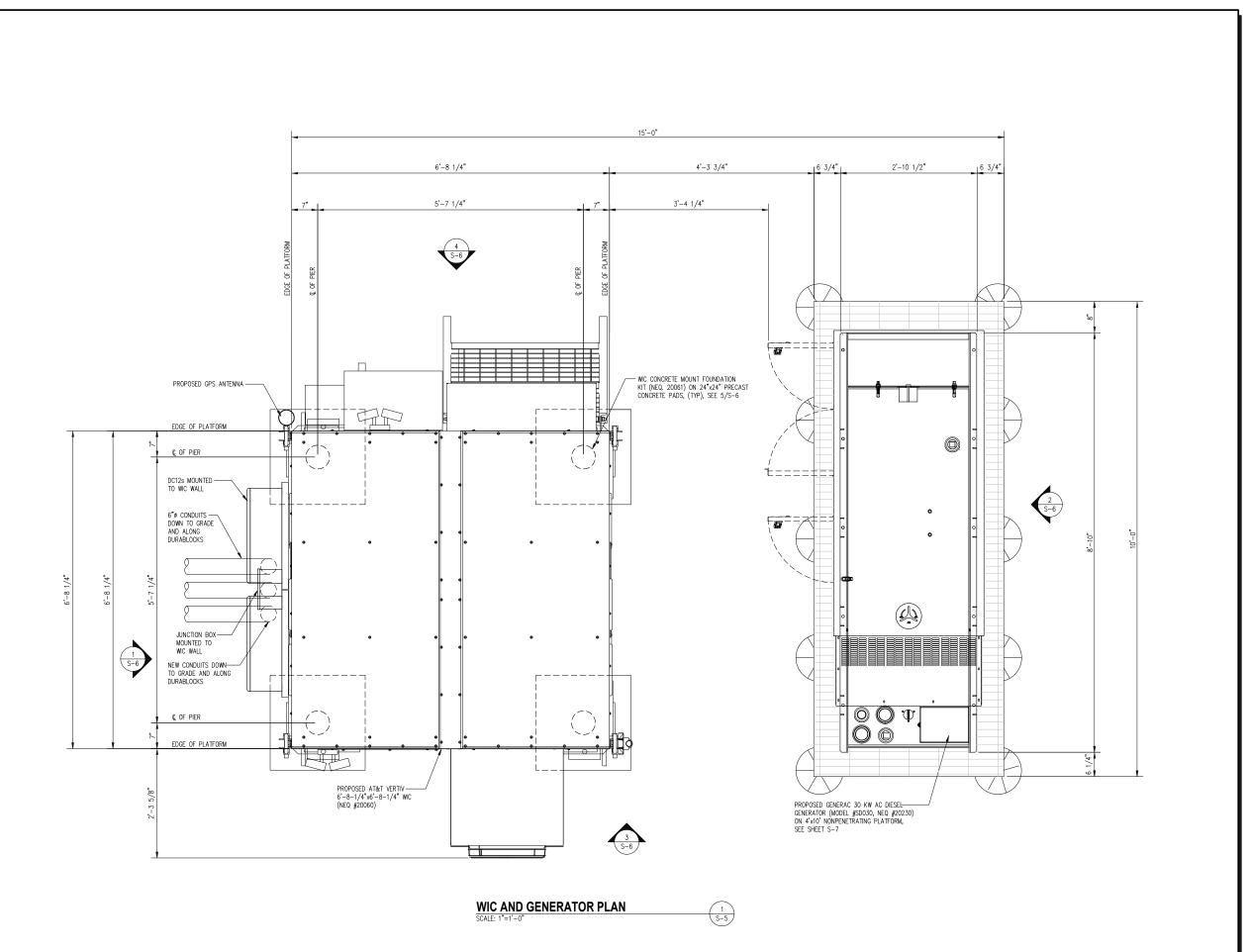
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01-11-2022	UPDATE SITE PLAN & SETBACKS	1		

TITLE:

ANTENNA LOCATION PLAN AND SECTION

SHEET NUMBER:

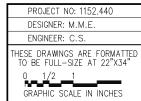


DCRA





7150 STANDARD DRIVE HANOVER, MD 21076





PHONE: (410) 582-8043 FAX: (410) 221-2962

FA NUMBER: 10553724 SITE #: 6382 EMERY

225 33RD STREET, SE WASHINGTON, DC 20019

SUBMITTALS				
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08-31-2021	ZONING	0		
01-11-2022	UPDATE SITE PLAN & SETBACKS	1		

TITLE:

WIC AND GENERATOR PLAN

SHEET NUMBER:





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PROJECT NO: 1152.440

HESE DRAWINGS ARE FORMATTE

TO BE FULL-SIZE AT 22"X34"

GRAPHIC SCALE IN INCHES

DESIGNER: M.M.E.

🚫 smartlink

PHONE: (410) 582-8043 FAX: (410) 221-2962

7150 STANDARD DRIVE

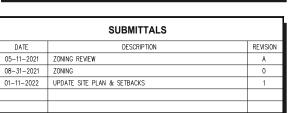
HANOVER, MD 21076

at&t

1362 MELLON RD, STE 140 HANOVER, MD 21076

FA NUMBER: 10553724 SITE #: 6382 **EMERY** 225 33RD STREET, SE

WASHINGTON, DC 20019

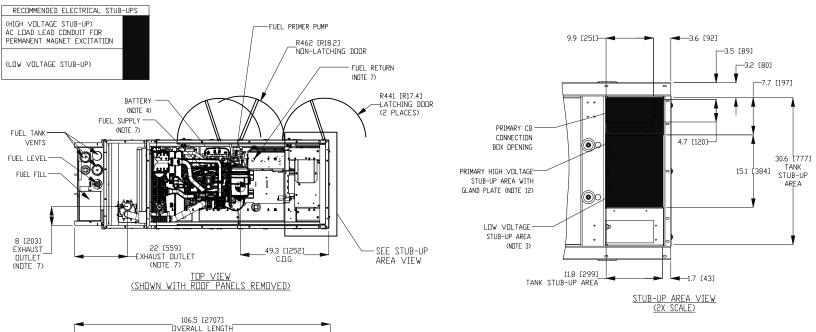


TITLE:

GENERATOR DETAILS

SHEET NUMBER:

S-7



94.7 [2407]

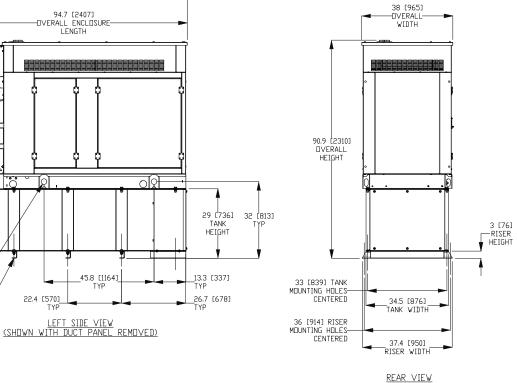
69.8 [1774] EXHAUST DUTLET

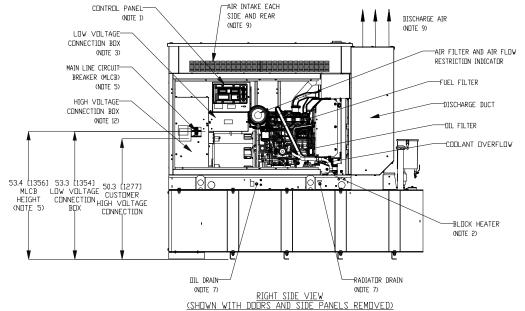
Ø2.4 [Ø60.0]-

(4 PLACES)

MDUNTING HOLES
(8 PLACES)
(NOTE 11)

NOTES:
1. CONTROL PANEL (10A BATTERY CHARGER INSIDE)
2. 120V, 20A GFCI & 250V, 15A DUTLET
3. CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX
(USE LOW VOLTAGE STUB-UP AREA)
4. BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
5. MAIN LINE CIRCUIT BREAKER (MLCB) (MLCB HEIGHT MAY VARY WITH CB SELECTION). AC
LOAD LEADS CONNECT DIRECTLY TO BOTTOM OF BREAKER.
6. CENTER OF GRAVITY AND WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS
7. ENGINE SERVICE CONNECTIONS.
7. ENGINE SERVICE CONNECTIONS.
FUEL SUPPLY = 3/8' NPT
FUEL RETURN = 3/8' NPT
GILL BRAIN = 1/2' NPT
RADIATION TORAIN = 1/2' NPT
RADIATION TORAIN = 1/2' NPT
EXHAUST DUTLET = 25' I.D.
8. STUB-UPS BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
9. GENERATIOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND
DISCHARGE AIR IS NOT RECIRCULATED. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM
RESTRICTION REQUIREMENTS.
10. BOTTOM OF GENERATOR SET MUST BE CLOSED TO PREVENT PEST INTRUSION AND
RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
11. BOLTS OR STUDS USED TO MOUNT UNIT TO PAD SHALL BE 5/8-11 GRADE 5. USE STANDARD
SAE TORQUE SPECS.
12. HIGH VOLTAGE STUB-UP AREA INCLUDES THE AC LOAD LEAD CONNECTIONS TO MLCB,
NEUTRAL CONNECTION AND AUXILIARY 120/240V CONNECTION.
13. 190 GALLON USEABLE CAPACITY BASETANK STANDARD WITH GENERATOR
14. 1500W 120 VAC ENGINE BLOCK HEATER WITH THREE PROMY CORN.
15. FUEL LINES ARE PLUMBED DIRECTLY TO BASE TANK
16. DOORS MUST BE ABLE TO DEPN AT LEAST 90' TO BE REMOVED.
17. GENERATOR MUST BE GROUNDED





WEIGHT DATA: INCLUDES FUEL TANK GENERATOR: 1358 [2995] GENERATOR WITH SHIPPING SKID: 1424 [3139]

WEIGHT: KG [LBS] DIMENSIONS: INCHES [MM]

 $\begin{pmatrix} 1 \\ S-7 \end{pmatrix}$

GENERAC 30kW AC DIESEL GENERATOR DETAIL